

**HEWLETT-PACKARD COMPANY**

Intellectual Property Administration

P.O. Box 272400

Fort Collins, Colorado 80527-2400

 PATENT APPLICATION **A**

 ATTORNEY DOCKET NO. 10015590-1
**IN THE U.S. PATENT AND TRADEMARK OFFICE**  
**Patent Application Transmittal Letter**
**COMMISSIONER FOR PATENTS**  
**Washington, D.C. 20231**
**Sir:**

 Transmitted herewith for filing under 37 CFR 1.53(b) is a(n): ☒ Utility ( ) Design

 ( ☒ ) original patent application,

( ) continuation-in-part application

**INVENTOR(S): Jeffrey L. Deeney et al**
**TITLE: METHOD AND APPARATUS FOR SUPPORTING A CIRCUIT COMPONENT HAVING A SOLDER COLUMN INTERCONNECTS USING AN EXTERNAL SUPPORT**

Enclosed are:

- ☒ The Declaration and Power of Attorney. ( ☒ ) signed ( ) unsigned or partially signed  
☒ 2 sheets of drawings (one set) ( ) Associate Power of Attorney  
( ) Form PTO-1449 ( ☒ ) Information Disclosure Statement and Form PTO-1449  
( ) Priority document(s) ( ☒ ) (Other) Return postcard, Att. Xmt Form (fee \$           )

CLAIMS AS FILED BY OTHER THAN A SMALL ENTITY				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) TOTALS
TOTAL CLAIMS	21 — 20	1	X \$18	\$ 18
INDEPENDENT CLAIMS	3 — 3	0	X \$84	\$ 0
ANY MULTIPLE DEPENDENT CLAIMS	0		\$280	\$ 0
BASIC FEE: Design ( \$330.00 ); Utility ( \$740.00 )				\$ 740
TOTAL FILING FEE				\$ 758
OTHER FEES				\$
TOTAL CHARGES TO DEPOSIT ACCOUNT				\$ 758

Charge \$ 758 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

 "Express Mail" label no. EL623595729US

 Date of Deposit Nov. 16, 2001

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

 By Jennifer Yapo

 Typed Name: **Jennifer Yapo**

Respectfully submitted,

**Jeffrey L. Deeney et al**

 By R.A. Fuller III
**Roland A. Fuller III**

Attorney/Agent for Applicant(s)

 Reg. No. **31,160**

 Date: **Nov. 16, 2001**

 Telephone No.: **(248) 641-1600**